

CLAIMS

1. Process for the preparation of ureins derived from an α,ω -diamino acid according to which a compound containing a free amino group is reacted, in basic medium, with a diamino acid derivative containing an N^{ω} -aryloxycarbonyl group.

2. Process according to Claim 1, wherein the diamino acid derivative used contains, as aryloxycarbonyl group, a group comprising from 7 to 15 carbon atoms.

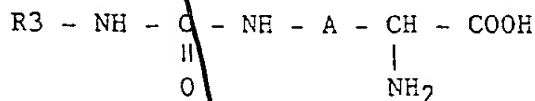
10 3. Process according to Claim 2, wherein the aryloxycarbonyl group is a phenyloxycarbonyl or naphthyloxycarbonyl group optionally substituted by at least one group chosen from alkyl groups comprising from 1 to 4 carbon atoms and the nitro group.

15 4. Process according to Claim 3, wherein the aryloxycarbonyl group is the phenyloxycarbonyl group.

5. Process according to Claim 1, wherein the compound comprising a free amino group is chosen from ammonia, primary and secondary amines and amino acids.

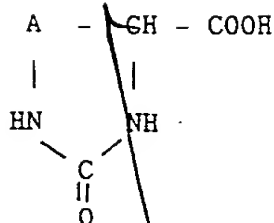
20 6. Process according to Claim 5, wherein the compound comprising a free amino group is an amino acid.

125 132 7. N^{ω} -Carboxyalkylcarbamoyl- α,ω -diamino acids of general formula



25 in which A represents a bivalent group consisting of a linear carbon chain formed from 4 to 8 carbon atoms, which chain is optionally substituted by one or a number of groups chosen from C_1 - C_3 alkyl groups and functional groups comprising at least one oxygen or sulphur atom such as a carboxyl, acyl, hydroxyl, alkoxy or mercapto group, and in which $R3-NH$ represents an amino acid or a peptide.

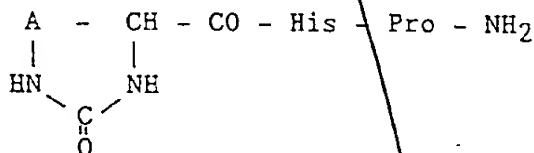
30 8. Cyclic ureins of general formula



in which A represents a bivalent group consisting of a linear carbon chain formed from 1 to 3 carbon atoms, which chain is optionally substituted by one or a number of groups chosen from C₁-C₃ alkyl groups and functional groups comprising at least one oxygen or sulphur atom such as a carboxyl, acyl, hydroxyl, alkoxy or mercapto group, with the exception of 2-oxoimidazolidinyl-4-carboxylic acid and (LD)-2-oxohexahydropyrimidinyl-4-carboxylic acid.

9. Urein according to Claim 8 in which A represents a trimethylene group -(CH₂)₃-.

10. Peptides of general formula



in which A is a bivalent group consisting of a linear carbon chain formed from 2 or 3 carbon atoms, which chain is optionally substituted by one or a number of groups chosen from C₁-C₃ alkyl groups and functional groups comprising at least one oxygen or sulphur atom such as a carboxyl, acyl, hydroxyl, alkoxy or mercapto group.

Add A

Add B3

FO4060-60244660